

# Pat nt Abstracts of Japan

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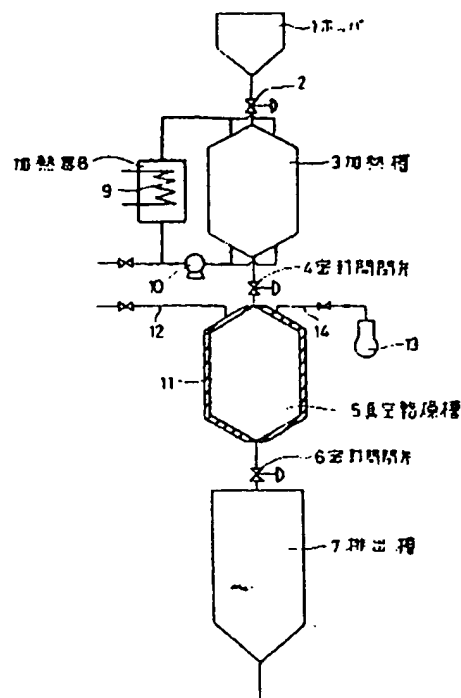
APPLICATION DATE : 16-03-88  
APPLICATION NUMBER : 63063903

APPLICANT : IDEMITSU PETROCHEM CO LTD;

INVENTOR : FUJI MITSUKI;

INT.CL. : B29B 13/06 F26B 5/04

TITLE : METHOD FOR DRYING GRANULAR MATERIAL AND DRYER



ABSTRACT : PURPOSE: To enable granular material to be dried substantially and continuously by arranging separately a vessel for heating granular materials and a vessel for vacuum drying, and performing heating process and vacuum drying process independently and repeatedly in each vessel.

CONSTITUTION: Pellets are heated at 120°C through the heating air circulating in a heating vessel 3. Next, a sealed open and close valve 4 is opened so as to allow the heated pellets to be transferred to a vacuum drying vessel 5 in which a sealed open and close valve 6 is closed. Subsequently, the valve 4 is closed and the inside of the vessel 5 is made to be vacuum through the suction of a vacuum pump 15. And the pellets is kept within the vacuum drying vessel 5 one hour and the pellets are dried. After that, the valve 6 is opened, and the pellets done with the drying process is transferred to an exhaust vessel 7 through sending nitrogen gas in a supplying pipe 12, and then the dried pellets are supplied to a certain molding machine. Those respective processes are performed in such a way that the open and close operation of respective valves are automatically controlled by a timer or the like at a standard of the drying time of the vacuum drying vessel 5, and done with a drying process substantially and continuously.

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